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Inventor: **NAKAI KENJI;**
HIGASHIMOTO KOJI;
HIRONAKA KENSUKE;
HAYAKAWA TAKUMI;
KOMAKI AKIO;
NAKANAGA TAKEFUMI;
TANIGUCHI MASATOSHI;

Assignee: **SHIN KOBE ELECTRIC MACH CO LTD.**
OTSUKA CHEM CO LTD.
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Published / Filed: **1992-07-28 / 1990-11-30.**Application Number: **JP1990000333743**IPC Code: **H01M 10/40; H01M 4/02.**Priority Number: **1990-11-30 JP1990000333743**

Abstract:

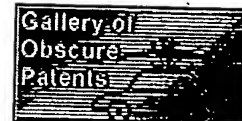
PURPOSE: To prevent the aggravation of the battery performance by laminating a flat positive electrode active material and a negative electrode active material through a solid electrolyte, covering these generating elements with a collector, divisionally forming the positive electrode active material on the collector, and sealing the peripheral part by a sealing material.

CONSTITUTION: On a stainless foil used as both a battery sheath and a collector 1, an aqueous solution of vanadium pentoxide which is a positive electrode material 2 is finely applied by means of screen printing, dried and heated. For example, a 1,2-dimethoxyethane(DME) solution of a polyphosphadine derivative in which 1mol/l of lithium perchlorate is dissolved is applied thereon by means of screen printing, and the DME is evaporated to form a solid electrolyte 3. A metal lithium foil is stuck thereon as a negative electrode active material 4, and further covered with the stainless foil of a collector 1', and the peripheral part is thermally fused by a sealing material 5 such as a modified polyethylene resin and sealed. Thus, the aggravation of the battery performance can be prevented.

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Family: **None**Other Abstract **None**

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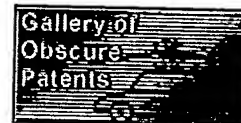
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(19)

(11) Publication number: **04**

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PATENT ABSTRACTS OF JAPAN(21) Application number: **02333743**(51) Intl. Cl.: **H01M 10/40 H01M 4/02**(22) Application date: **30.11.90**

<p>(30) Priority:</p> <p>(43) Date of application publication: 28.07.92</p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: SHIN KOBE ELECTRIC LTD. OTSUKA CHEM CO LT</p> <p>(72) Inventor: NAKAI KENJI HIGASHIMOTO KOJI HIRONAKA KENSUKE HAYAKAWA TAKUMI KOMAKI AKIO NAKANAGA TAKEFUM TANIGUCHI MASATOSH</p> <p>(74) Representative:</p>
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(54) FLAT BATTERY

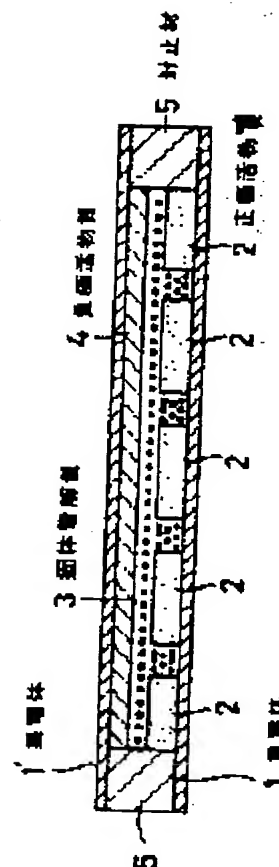
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